EQUIPMENT LIST

AIR HANDLING UNIT :

Rm #	SYMBOL	LOCATION	INPUT MBTUH	OUTPUT MBTUH	BLOWER CFM	BLOWER "WG S.P.	BLOWER MOTOR HP	FRESH AIR INTAKE CFM (HEATING MODE)	FRESH AIR INTAKE DUCT SIZE	GAS CONTROL	T-STAT	DIMENSION W x L x H (APPROX)	FILTER	REMARKS
104	AHU 1	ABOVE CEILING	225	180	5200	0.70	3	2000	27" DIA	2-STAGE	2-STAGE	42x60x36	(2)-20x20	REZNOR MODEL NO. HCXE250 OR APPROVED EQUAL. 208V / 3 Ø / 60 HZ
120	AHU 2	ABOVE CEILING	225	180	4200	0.70	2	2000	25" DIA	2-STAGE	2-STAGE	42x60x36	(2)-20x20	REZNOR MODEL NO. HCXE250 OR APPROVED EQUAL. 208V / 3 Ø / 60 HZ
✓ 121	AHU 3	ABOVE CEILING	225	180	5200	0.70	3	2000	27" DIA	2-STAGE	2-STAGE	42x60x36	(2)-20x20	REZNOR MODEL NO. HCXE250 OR APPROVED EQUAL. 208V / 3 Ø / 60 HZ
125	AHU 4	ABOVE CEILING	200	160	3600	0.70	2	1200	24" DIA	2-STAGE	2-STAGE	33x60x36	(2)-16x20	REZNOR MODEL NO. HCXE225 OR APPROVED EQUAL. 208V / 3 Ø / 60 HZ
132	AHU 5	ABOVE CEILING	200	160	3600	0.70	2	1200	24" DIA	2-STAGE	2-STAGE	33x60x36	(2)-16x20	REZNOR MODEL NO. HCXE225 OR APPROVED EQUAL. 208V / 3 Ø / 60 HZ
✓ 133	AHU 6	ABOVE CEILING	225	180	5200	0.70	3	2400	27" DIA	2-STAGE	2-STAGE	42x60x36	(2)-20x20	REZNOR MODEL NO. HCXE250 OR APPROVED EQUAL. 208V / 3 Ø / 60 HZ
140	AHU 7	ABOVE CEILING	225	180	4200	0.70	2	1600	25" DIA	2-STAGE	2-STAGE	42x60x36	(2)-20x20	REZNOR MODEL NO. HCXE250 OR APPROVED EQUAL. 208V / 3 Ø / 60 HZ

EXHAUST FAN :

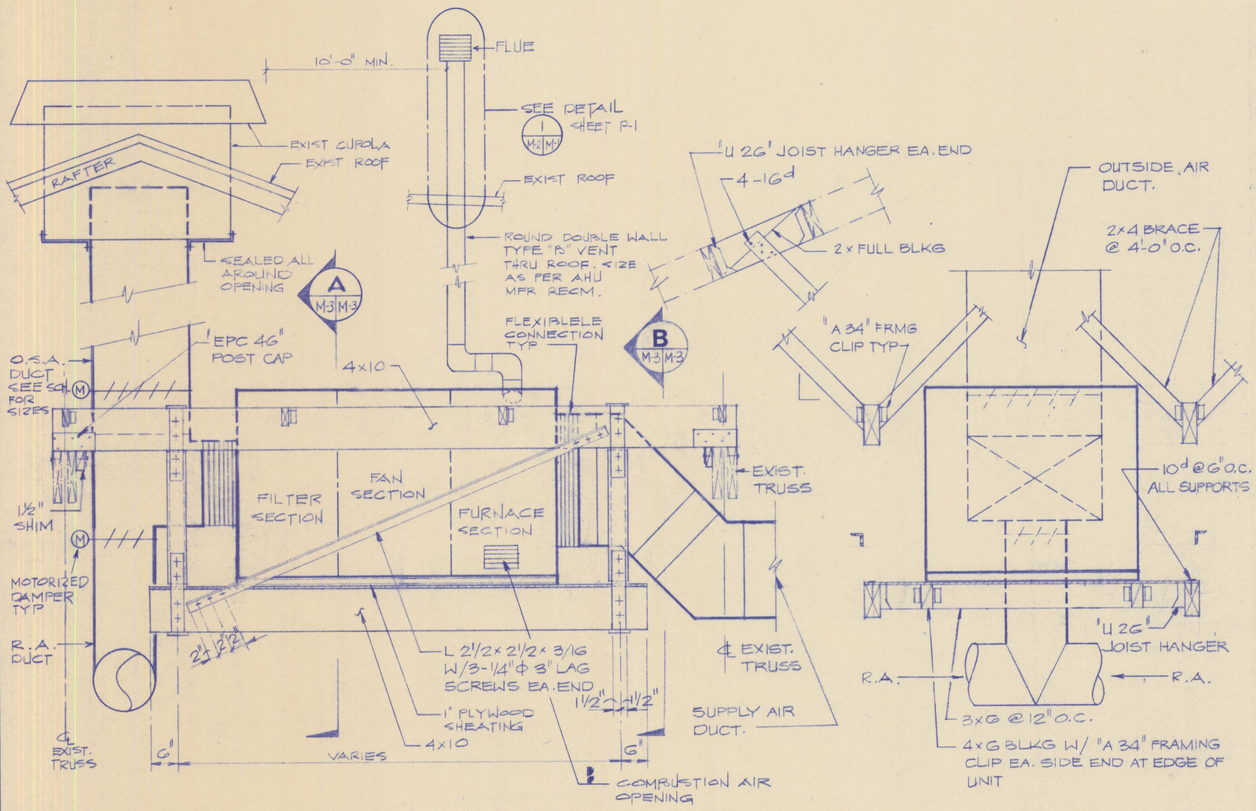
SYMBOL	LOCATION	FAN CFM	FAN "WG S.P.	FAN MOTOR HP	ELECTRICAL VOLTS	ELECTRICAL PHASE	ELECTRICAL HERTZ	REMARKS
EF 1	ABOVE CEILING	200	0.25	1/10	115	1	60	CEILING EXHAUST FAN WITH BACKDRAFT DAMPER.
EF 2	ABOVE CEILING	200	0.25	1/10	115	1	60	CEILING EXHAUST FAN WITH BACKDRAFT DAMPER.
EF 3	ABOVE CEILING	450	0.25	¼	115	1	60	CEILING EXHAUST FAN WITH BACKDRAFT DAMPER.
EF 4	ABOVE CEILING	600	0.25	¼	115	1	60	CEILING EXHAUST FAN WITH BACKDRAFT DAMPER.
EF 5	ROOF	1000	0.50	1/3	115	1	60	UPBLAST CENTRIFUGAL ROOF VENTILATOR WITH BACKDRAFT DAMPER. SYNCHRONIZED WITH AHU-2.
EF 6	ROOF	600	0.50	¼	115	1	60	UPBLAST CENTRIFUGAL ROOF VENTILATOR WITH BACKDRAFT DAMPER. SYNCHRONIZED WITH AHU-2.
EF 7	ABOVE CEILING	200	0.25	1/10	115	1	60	CEILING EXHAUST FAN WITH BACKDRAFT DAMPER.
EF 8	ABOVE CEILING	150	0.25	1/10	115	1	60	CEILING EXHAUST FAN WITH BACKDRAFT DAMPER.

GENERAL NOTES :

1. ALL OSA INTAKES MUST BE A MINIMUM OF 10'-0" AWAY FROM TOILET HOOD EXHAUST DISCHARGE, PLUMBING OR APPLIANCE VENT (OR 3'-0" MINIMUM BELOW APPLIANCE VENT.
2. ALL DUCTWORK TO CONFORM TO S.M.A.C.N.A. STANDARDS.
3. ALL TRANSVERSE JOINTS TO BE SEALED WITH TAPE OR MASTIC.
4. FINAL CONNECTIONS TO ALL GRILLES, REGISTERS AND DIFFUSERS TO BE ON 6'-0" OF LINED FLEXIBLE DUCT (VINYL LINED).
5. MANUAL VOLUME DAMPERS OR ADJUSTABLE EXTRACTORS TO BE INSTALLED IN ALL BRANCH TAKE-OFFS. ALL DAMPERS TO HAVE LOCKING QUADRANTS AND TAIL PIECE.
6. ALL AIR HANDLING UNITS TO BE FURNISHED WITH MAINTENANCE MANUALS, SCHEDULES AND TAGS.
7. SPACE TEMPERATURE CONTROL SYSTEM SHALL BE CAPABLE OF BEING SET FROM 55 °F TO 85 °F AND HAVE THE ABILITY TO OPERATE THE HEATING IN SEQUENCE. CONTROL SHALL BE ADJUSTABLE TO PROVIDE A RANGE OF UP TO 10 °F BETWEEN FULL HEATING AND HAVE A CAPABILITY OF TERMINATING ALL HEATING AT A TEMPERATURE NO MORE THAN 70 °F.
8. A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE CONTRACTING OFFICER ON ALL MECHANICAL EQUIPMENT.
9. ALL DUCTWORK EXCEPT FINAL CONNECTIONS TO GRILLES, TO BE OF RIGID CONSTRUCTION.
10. ALL AIR HANDLING UNITS AND EXHAUST FANS SHALL BE INSTALLED IN ACCORDANCE WITH UNIFORM MECHANICAL CODE.
11. SEE ELECTRICAL DRAWINGS FOR ALL CONTROLS OF AIR HANDLING UNITS AND EXHAUST FANS.
12. ALL EQUIPMENT LOCATIONS ARE APPROXIMATE. VERIFY IN THE FIELD FOR EXACT LOCATION.
13. AIR HANDLING UNIT (AHU-2) SHALL BE PROVIDED WITH TWO (2) FACTORY INSTALLED FAN RELAYS (OR CONTACTS) AT THE CONTROL PANEL TO RUN EXHAUST FANS EF-5 AND EF-6 WHEN THE AHU-2 UNIT IS RUNNING. ALSO REFER TO NOTE 3 ON DRAWING E-1.

AHU-SEQUENCE OF OPERATION :

ALL AIR HANDLING UNITS SHALL BE CONTROLLED BY A TWO-STAGE ROOM THERMOSTAT (HEAT-OFF-FAN) WITH A SEPARATE FAN SWITCH. DURING HEATING CYCLE, THE THERMOSTAT WILL CYCLE LOW AND HIGH FIRE TO MONITOR ROOM TEMPERATURE. THE OUTSIDE AND RETURN AIR DAMPERS SHALL BE IN A MIXED AIR POSITION. DURING THE VENTILATION CYCLE, THE FAN SHALL RUN CONTINUOUS WITH THE BURNER LOCK-OUT AND THE OUTSIDE AIR DAMPER AT 100% OPEN POSITION AND RETURN AIR DAMPER FULLY CLOSED.

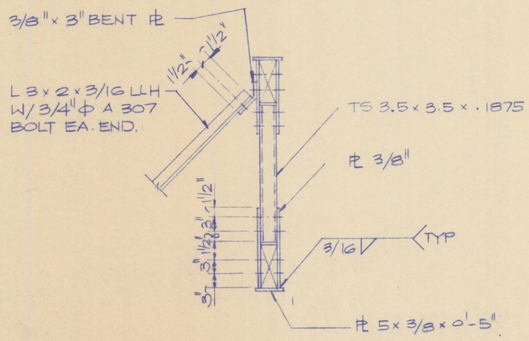


1 M-2 M-3 AHU-3 AND 6 SUPPORT DETAIL

NOT TO SCALE

A M-3 M-3 SECTION

NOT TO SCALE



B M-3 M-3 SECTION

NOT TO SCALE

REVISION NO.	DATE	DESCRIPTION	AGENCY	BY

Pan Am World Services, Inc.

UNITED STATES AIR FORCE
HQ 6592d SUPPORT GROUP (AFSC)
LOS ANGELES AIR FORCE BASE

S. PEREZ
DESIGNED BY RN MALLARD
DRAWN BY R.N. MALLARD
CHECKED BY
SUBMITTED BY DATE

RENOVATE BUILDING 403 COMMUNITY CENTER
LAO 89-1028
FORT Mac ARTHUR, CALIFORNIA
LOS ANGELES AIR FORCE STATION
EQUIPMENT SCHEDULE

SPECIFICATION NO. 6592/DE 9010289
DATE 10/16/89
SCALE 3/4"=1'-0"
DRAWING NUMBER 00403-5010289 (ATCH. 3)
SHEET 40 OF 48
M-3

COORDINATED: MANAGER ENGINEER DATE; SECURITY DATE; SAFETY DIVISION DATE; CHIEF FIRE PROTECTION DATE; COMMUNICATIONS ENGINEER DATE; BIOENVIRONMENTAL ENGINEER DATE

APPROVED: USING AGENCY DATE; BASE CIVIL ENGINEER DATE